

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model  
Run on: September 6, 2005, 09:13:40 ; Search time 6678 Seconds

Sequence: 1 ttttaggtatatatgtt.....cggccctgtggcg 2085  
Scoring table: OLIGO\_NUC Gapop\_60.0 , Gapext 60.0

US-09-909-317-5

Perfect score: 2085  
Sequence: 1 US-0-9-909-317-5

US-09-909-317-5 (without alignments)  
2044.696 Million cell updates/sec

Searched: 7336684 seqs, 3274156166 residues  
Word size : 0

Total number of hits satisfying chosen parameters: 14677368

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Listing first 100 summaries  
Database : Published Applications NA:\*

1: /cgn2\_6/prodata/2/pubpna/us07\_PUBCOMB.seq: \*  
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3: /cgn2\_6/prodata/2/pubpna/us06\_NEW\_PUB.seq: \*  
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11: /cgn2\_6/prodata/2/pubpna/us09\_PUBCOMB.seq: \*  
12: /cgn2\_6/prodata/2/pubpna/us09\_PUBCOMB.seq: \*  
13: /cgn2\_6/prodata/2/pubpna/us10\_PUBCOMB.seq: \*  
14: /cgn2\_6/prodata/2/pubpna/us10\_PUBCOMB.seq: \*  
15: /cgn2\_6/prodata/2/pubpna/us10\_PUBCOMB.seq: \*  
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20: /cgn2\_6/prodata/2/pubpna/us10\_PUBCOMB.seq: \*  
21: /cgn2\_6/prodata/2/pubpna/us10\_PUBCOMB.seq: \*  
22: /cgn2\_6/prodata/2/pubpna/us10\_NEW\_PUB.seq: \*  
23: /cgn2\_6/prodata/2/pubpna/us11\_PUBCOMB.seq: \*  
24: /cgn2\_6/prodata/2/pubpna/us11\_PUB.seq: \*  
25: /cgn2\_6/prodata/2/pubpna/us11\_NEW\_PUB.seq: \*  
26: /cgn2\_6/prodata/2/pubpna/us11\_PUBCOMB.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result	Score	Query Match Length	DB ID	Description
1	2085	100.0	2085	11 US-09-909-317-5
2	406	19.5	13	US-0-9-909-317-5
3	406	19.5	17	US-0-10-027-632-154183
4	175	8.4	335	19 US-10-283-975A-327
5	175	8.4	20	US-10-723-860-2326
6	175	8.4	394	10 US-09-918-995-5037
7	175	8.4	398	9 US-09-960-253-117



QY 1441 CTGGGCTCAGGAGTTCCAGACTGAGTGAACCGCCATATGGGACTCTCAAGCGGG 1500  
Db 1441 CTGGGCTCAGGAGTTCCAGACTGAGTGAACCGCCATATGGGACTCTCAAGCGGG 1500

QY i501 TGAGATCTAGTCATAAATAAAAGGGGAGGGGTGGGGTAATAATTAGTGAAATC 1560  
Db i501 TGAGATCTAGTCATAAATAAAAGGGGAGGGGTGGGGTAATAATTAGTGAAATC 1560

QY 1561 AAGTAGACTCTGGGACAGACATCAAGGGGGCCGGGCTCCAAGAGCTA 1620  
Db 1561 AAGTAGACTCTGGGACAGACATCAAGGGGGCCGGGCTCCAAGAGCTA 1620

QY 1621 CTAGCTCAGCCCAGCCCGCCCTGGGCCAGGGCAGGGCCGGGCTCCAAGAGCTA 1680  
Db 1621 CTAGCTCAGCCCAGCCCGCCCTGGGCCAGGGCAGGGCCGGGCTCCAAGAGCTA 1680

QY 1681 AAGCGCCGGAAACTCGCCCCCGGGCGAGGCGCCGGCCGGCCGGTCCCAAAGAGCTA 1740  
Db 1681 AAGCGCCGGAAACTCGCCCCCGGGCGAGGCGCCGGCCGGCCGGTCCCAAAGAGCTA 1740

QY 1741 TGGACGGGGTTCGGGGGTTCCGGGACAGGATCGAACATCTATAGGGACGGGG 1800  
Db 1741 TGGACGGGGTTCGGGGGTTCCGGGACAGGATCGAACATCTATAGGGACGGGG 1800

QY 1801 GTCGCCTGGCGCGCTGGGGCTGGCGCTAGCCCTAGCCCTGGCGCGCTGGCG 1860  
Db 1801 GTCGCCTGGCGCGCTGGGGCTGGCGCTAGCCCTAGCCCTGGCGCGCTGGCG 1860

QY 1861 CACGCAGGGGGGAGGGGCAAGCGCTGGCTTAGGTGTGGCTGGCGCTTCGGAG 1920  
Db 1861 CACGCAGGGGGGAGGGGCAAGCGCTGGCTTAGGTGTGGCTGGCGCTTCGGAG 1920

QY 1921 CTTTGCGCCAGCTAGGGAGGATGCGCGAGTCITCGGATAAGCTTATGAGCTGAGTA 1980  
Db 1921 CTTTGCGCCAGCTAGGGAGGATGCGCGAGTCITCGGATAAGCTTATGAGCTGAGTA 1980

QY 1981 CGCCAGAGGGGGCGGCTCTTGAAAGATCGCAGAGATCCCAAGGAATCTCGCT 2040  
Db 1981 CGCCAGAGGGGGCGGCTCTTGAAAGATCGCAGAGATCCCAAGGAATCTCGCT 2040

QY 2041 CCGGATGGCCATCTGGTCAGGGCGGGCGCTGTGGCGGGGG 2085  
Db 2041 CCGGATGGCCATCTGGTCAGGGCGGGCGCTGTGGCGGGGG 2085

RESULT 2  
US-10-027-632-154183  
; Sequence 154183, Application US/10027632  
; Publication No. US20020198371A1  
; General Information:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827-129  
; CURRENT APPLICATION NUMBER: US/10/027, 632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218, 006  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193, 483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185, 218  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146, 002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSBO for Windows Version 4.0  
; LENGTH: 844  
; TYPE: DNA

US-10-027-632-154183  
; Sequence 154183, Application US/10027632  
; Publication No. US20030204075A9  
; General Information:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827-129  
; CURRENT APPLICATION NUMBER: US/10/027, 632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218, 006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198, 676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193, 483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185, 218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167, 363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/155, 358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146, 002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSBO for Windows Version 4.0  
; LENGTH: 844  
; TYPE: DNA

Query Match 19.5%; Score 405; DB 13; Length 844;  
Best Local Similarity 93.8%; Pred. No. 1; 26-187; Mismatches 1; Indels 0; Gaps 0;  
Matches 456; Conservativeness 0; ;  
; ORGANISM: Human  
; US-10-027-632-154183

QY 1207 CTGCCTCAGGGAGAGGACAACATTAAGAGTTGGGGCGGGTGTAGCTCATGCC 1266  
Db 1 CTGCCTCAGGGAGAGGACAACATTAAGAGTTGGGGCGGGTGTAGCTCATGCC 60

QY 1267 CTGCGATCCCAGACTCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGA 1326  
Db 61 CTCGATCCAGCACITCGGGAGGGCTGAGGATCAGCTTGTAGCAGGAGTTGAGA 120

QY 1327 CAGCTCTAGCCAACTGGGAGACCTGTCCTAAAAAATTTTTTTAATAGGCC 1386  
Db 121 CACGCTCTAGCCAACTGGGAGACCTGTCCTAAAAAATTTTTTTAATAGGCC 180

QY 1387 TGTGTGTGAGGCCCTGAGTCCCAGCTACTCGGAGGCTGAGGTGGGGATCGTGGC 1446  
Db 181 TGTGTGTGAGGCCCTGAGTCCCAGCTACTCGGAGGCTGAGGTGGGGATCGTGGC 240

QY 1447 TCAAGAGTTCAGACTGAGTGAACCTGATGGGGACTCTGACTCCAGCGCGTGGAGAC 1506  
Db 241 TCAGGAGTTCAAGACTGAGTGAACCTGATGGGGACTCTGACTCCAGCGGGTGGAGAC 300

QY 1507 TAGCTCAAAATAAAAGGGGGAGGGTTGGGGTAATAATTAGTTGTGAATCAGTA 1566  
Db 301 TAGCTCAAAATAAAAGGGGGAGGGTTGGGGTAATAATTAGTTGTGAATCAGTA 360

QY 1567 GACTTCTGGAGAGACATCAAAGGGGGCGCGCGGGCTCTCCAAGAGACTACTAGCT 1626  
Db 361 GACTTCTGGAGAGACATCAAAGGGGGCGCGCGGGCTCTCCAAGAGACTACTAGCT 420

QY 1627 CAGCCAAAGCCCCCTCGCCCCAGGGAGCGGCC 1663  
Db 421 CAGCCAAAGCCCCCTCGCCCCAGGGAGCGGCC 457

RESULT 3  
US-10-027-632-154183  
; Sequence 154183, Application US/10027632  
; Publication No. US20030204075A9  
; General Information:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827-129  
; CURRENT APPLICATION NUMBER: US/10/027, 632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218, 006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198, 676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193, 483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185, 218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167, 363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/155, 358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146, 002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSBO for Windows Version 4.0  
; LENGTH: 844  
; TYPE: DNA



; SEQ ID NO 5037  
; LENGTH: 394  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; US-09-918-995-5037

Query Match 8.4%; Score 175; DB 10; Length 394;  
Best Local Similarity 100.0%; Pred. No. 1.e-74;  
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 76 GGTGTTCTAGGTGGCGGCTGGGGTCCGGAGCTTGGGGACTAGGGAGATGGC 135  
Qy 1948 GGACTCTTCGGATAAGCTCTATCGMGTGAGTACCCAAAGAGCGGGCGGCGCTCTGCAA 2007  
Db 136 GGACTCTTCGGATAAGCTCTATCGAGTCGAGTACCCAAAGAGCGGGCGGCGCTCTGCAA 195  
Qy 2008 GAATGCAGGAGAGCATCCCAAGGACTGCTCGGATGCCATATGGTCAG 250  
Db 196 GAATGCAGGAGAGCATCCCAAGGACTGCTCGGATGCCATATGGTCAG 250

**RESULT 7**  
US-09-960-253-117  
Sequence 117; Application US/09960253  
Patent No. US2002123619A1  
GENERAL INFORMATION:  
APPLICANT: Benson, Darin R.  
APPLICANT: Mohamath, Raodoh  
APPLICANT: Lodes, Michael J.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
FILE REFERENCE: 210121..556  
CURRENT APPLICATION NUMBER: US/09/960, 253  
CURRENT FILING DATE: 2001-09-20  
NUMBER OF SEQ ID NOS: 187  
SEQ ID NO 117  
LENGTH: 398  
TYPE: DNA  
ORGANISM: Homo sapiens

Query Match 8.4%; Score 175; DB 9; Length 394;  
Best Local Similarity 100.0%; Pred. No. 1.e-74;  
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 52 GGTGTTCTAGGTGGGGCTCGAGCTTGGAGCTTGGAGCTTGGGGAGATGGC 111  
Qy 1948 GGAGTCCTCGATAAGCTCTATCGAGTCGAGTAGCCAGAGCGGGCGGCCCTCTGCAA 2007  
Db 112 GGAGTCCTCGATAAGCTCTATCGAGTCGAGTAGCCAAAGAGCGGGCGGCCCTCTGCAA 171  
Qy 2008 GAATGCAGGAGAGCATCCCAAGGACTGCTCGGATGCCATATGGTCAG 262  
Db 172 GAATGCAGGAGAGCATCCCAAGGACTGCTCGGATGCCATATGGTCAG 262

**RESULT 9**  
US-09-960-253-107  
Sequence 107; Application US/09960253  
Patent No. US2002123619A1  
GENERAL INFORMATION:  
APPLICANT: Benson, Darin R.  
APPLICANT: Mohamath, Raodoh  
APPLICANT: Lodes, Michael J.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
FILE REFERENCE: 210121..556  
CURRENT APPLICATION NUMBER: US/09/960, 253  
CURRENT FILING DATE: 2001-09-20  
NUMBER OF SEQ ID NOS: 187  
SEQ ID NO 107  
LENGTH: 665  
TYPE: DNA  
ORGANISM: Homo sapiens

US-09-960-253-107  
US-09-960-253-117  
Sequence 107; Application US/09960253  
Patent No. US2002123619A1  
GENERAL INFORMATION:  
APPLICANT: Benson, Darin R.  
APPLICANT: Mohamath, Raodoh  
APPLICANT: Lodes, Michael J.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
FILE REFERENCE: 210121..556  
CURRENT APPLICATION NUMBER: US/09/960, 253  
CURRENT FILING DATE: 2001-09-20  
NUMBER OF SEQ ID NOS: 187  
SEQ ID NO 107  
LENGTH: 665  
TYPE: DNA  
ORGANISM: Homo sapiens

Query Match 8.4%; Score 175; DB 9; Length 665;  
Best Local Similarity 100.0%; Pred. No. 1.e-74;  
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 109 GTGTTCTAGGTGGGGCTCGAGCTTGGAGCTTGGGGAGATGGC 168  
Qy 1888 GTGTTCTAGGTGGGGCTCGAGCTTGGAGCTTGGGGAGATGGC 1947  
Db 133 GGACTCTTCGGATAAGCTCTATCGAGTCGAGTACCCAAAGAGCGGGCGGCGCTCTGCAA 192  
Qy 2008 GAATGCAGGAGAGCATCCCAAGGACTGCTCGGATGCCATATGGTCAG 262  
Db 193 GAATGCAGGAGAGCATCCCAAGGACTGCTCGGATGCCATATGGTCAG 247

**RESULT 8**  
US-09-833-790-349  
Sequence 349; Application US/098333790  
Patent No. US200206288A1  
GENERAL INFORMATION:  
APPLICANT: Lodes, Michael J.  
APPLICANT: Wang, Tongtong  
APPLICANT: Sechrist, Heather  
APPLICANT: Mohamath, Raodoh  
APPLICANT: Indrias, Carol Y.  
APPLICANT: Fan, Liqun  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

Query Match 8.4%; Score 175; DB 9; Length 665;  
Best Local Similarity 100.0%; Pred. No. 1.e-74;  
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 169 GGAGTCCTGGATAAGCTCTATCGAGTCGAGTAGCCAAAGAGCGGGCGGCCCTCTGCAA 228  
Qy 2008 GAATGCAGGAGAGCATCCCAAGGACTGCTCGGATGCCATATGGTCAG 262  
Db 229 GAATGCAGGAGAGCATCCCAAGGACTGCTCGGATGCCATATGGTCAG 283

**RESULT 10**  
US-09-960-253-106  
Sequence 106; Application US/09960253  
Patent No. US2002123619A1  
GENERAL INFORMATION:  
APPLICANT: Benson, Darin R.

APPLICANT: Mohanath, Raodoh  
 APPLICANT: Lodes, Michael J.  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
 FILE REFERENCE: 210121\_556  
 CURRENT APPLICATION NUMBER: US/09/ 960,253  
 CURRENT FILING DATE: 2001-09-20  
 NUMBER OF SEQ ID NOS: 187  
 SEQ ID NO: 105  
 LENGTH: 722  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-09-960-253-106

Query Match 8.4%; Score 175; DB 9; Length 722;  
 Best Local Similarity 100.0%; Pred. No. 1.1e-74;  
 Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1888 GTGTTCTAGTCGTGGCGTGGCTCCGGAGCTTGCGGCAGTAGGGAGATGCC 1947  
 Db 124 GTGTTCTAGTCGTGGCGTGGCTCCGGAGCTTGCGGCAGTAGGGAGATGCC 183

Qy 1948 GGAGTCCTCGATAAGCTCTATCAGTCGAGTCGAGTAGCCAGAGCGGGCGCCCTCTGCAA 2007  
 Db 184 GGAGTCCTCGATAAGCTCTATCAGTCGAGTCGAGTAGCCAGAGCGGGCGCCCTCTGCAA 243

Qy 2008 GAATGCAGGAGAGATCCCAAGAAAGACTCTCCGGATGCCATATGTCAG 2062  
 Db 244 GAATGCAGGAGAGATCCCAAGAAAGACTCTCCGGATGCCATATGTCAG 298

RESULT 11  
 US-10-084-817-316  
 Sequence 316 Application US/10084817  
 Publication No. US20030119009A1

GENERAL INFORMATION:  
 APPLICANT: Susan Stuart  
 APPLICANT: Jed G. Nuchtern  
 APPLICANT: Sharon E. Plon  
 APPLICANT: Jason M. Shohet  
 TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION  
 FILE REFERENCE: PA-0066 US  
 CURRENT APPLICATION NUMBER: US/10/084,817  
 CURRENT FILING DATE: 2002-02-25  
 PRIOR APPLICATION NUMBER: 60/270,784  
 PRIOR FILING DATE: 2001-02-23  
 NUMBER OF SEQ ID NOS: 365  
 SEQ ID NO: 316  
 LENGTH: 3686  
 TYPE: DNA  
 FEATURE:  
 NAME/KEY: misc\_feature  
 OTHER INFORMATION: Incyte ID No. US20030119009A1 034181CB1  
 US-10-084-817-316

Query Match 8.4%; Score 175; DB 9; Length 3686;  
 Best Local Similarity 100.0%; Pred. No. 1.1e-74;  
 Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 12  
 US-09-864-864-300  
 Sequence 300 Application US/09864864  
 Publication No. US20020102679A1

GENERAL INFORMATION:  
 APPLICANT: Xu, Jianguchun  
 APPLICANT: Mircham, Jennifer L.  
 APPLICANT: Harlock, Susan L.  
 APPLICANT: Dillon, Davin C.  
 APPLICANT: Sechrist, Heather  
 APPLICANT: Lodes, Michael J.  
 APPLICANT: Algate, Paul A.  
 APPLICANT: Fling, Steve P.  
 APPLICANT: Mannion, Jane  
 APPLICANT: Benson, Darin R.  
 APPLICANT: Carter, Darrick  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
 TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER  
 FILE REFERENCE: 210121\_523  
 CURRENT APPLICATION NUMBER: US/09/864,864  
 CURRENT FILING DATE: 2001-05-23  
 NUMBER OF SEQ ID NOS: 341  
 SEQ ID NO: 300  
 LENGTH: 3859

Qy 1888 GTGTTCTAGTCGTGGCGTGGCTCCGGAGCTTGCGGCAGTAGGGAGATGCC 1947  
 Db 105 GTGTTCTAGTCGTGGCGTGGCTCCGGAGCTTGCGGCAGTAGGGAGATGCC 164

Qy 1948 GGAGTCCTGGATAGCTCTATGAGTAGTGAGTAGGCCAGASGGGGCGCCCTTSRA 2007  
 Db 165 GGAGTCCTGGATAGCTCTATGAGTAGTGAGTAGGCCAGASGGGGCGCCCTTSRA 224

Qy 2008 GAATGCAGGAGAGATCCCAAGAAAGACTCTCCGGATGCCATATGTCAG 2062  
 Db 225 GAATGCAGGAGAGATCCCAAGAAAGACTCTCCGGATGCCATATGTCAG 279

RESULT 13  
 US-10-097-340-3  
 Sequence 3 Application US/10097340  
 Publication No. US20030087250A1

GENERAL INFORMATION:  
 APPLICANT: John MONAHAN  
 APPLICANT: Manjula GANNAVARAPU  
 APPLICANT: Sebastian HOBRSCH  
 APPLICANT: Shubhangi KAMATKAR  
 APPLICANT: Steve G. KOVATS  
 APPLICANT: Rachel E. MEYERS  
 APPLICANT: Michael MORRISSEY  
 APPLICANT: Peter OLANDT  
 APPLICANT: Ami SEN  
 APPLICANT: Peter VEIBY  
 APPLICANT: Gordon B. MILLS  
 APPLICANT: Robert C. BAST, JR.  
 APPLICANT: Karen LIU  
 APPLICANT: Rosemarie SCHMANDT  
 APPLICANT: Xumei ZHAO  
 APPLICANT: Karen GLITT

TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,  
 FILE REFERENCE: MRI-030  
 CURRENT APPLICATION NUMBER: US/10/097,340

Qy 1888 GTGTTCTAGTCGTGGCGTGGCTCCGGAGCTTGCGGCAGTAGGGAGATGCC 1947  
 Db 116 GTGTTCTAGTCGTGGCGTGGCTCCGGAGCTTGCGGCAGTAGGGAGATGCC 175

Qy 1948 GGAGTCCTGGATAGCTCTATGAGTAGTGAGTAGGCCAGASGGGGCGCCCTTSRA 2007  
 Db 176 GGAGTCCTGGATAGCTCTATGAGTAGTGAGTAGGCCAGASGGGGCGCCCTTSRA 235

Qy 2008 GAATGCAGGAGAGATCCCAAGAAAGACTCTCCGGATGCCATATGTCAG 2062  
 Db 236 GAATGCAGGAGAGATCCCAAGAAAGACTCTCCGGATGCCATATGTCAG 290

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; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276, 025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325, 149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276, 026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324, 967
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/311, 732
; PRIOR FILING DATE: 2001-08-10
; SEQ ID NO: 3
; LENGTH: 3859
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-097-340-3

Query Match          8.4%; Score 175; DB 14; length 3859;
Best Local Similarity 100.0%; Pred. No. 1..1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; SEQ ID NO: 100
; LENGTH: 3861
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-334-143-100

Query Match          8.4%; Score 175; DB 17; length 3861;
Best Local Similarity 100.0%; Pred. No. 1..1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; SEQ ID NO: 100
; LENGTH: 3861
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-334-143-100

Db      165 GGAGTCCTCGGATAAGCTTACGACTCGAGTACGCCAAGGGGGGGCCTCTGCAA 224
Qy    2008 GAATGGAGGAGGATCCCAAGGACTCTGCCTCCGGATGCCATCATGGTGAG 2062
Db      225 GAATGCGAGAGCATCCCCAAGGACTCGCTCCGGATGCCATCATGGTGAG 279

RESULT 14

; Sequence 3.. Application US/10163587A
; Publication No. US20030096263A1
; GENERAL INFORMATION:
; APPLICANT: oliveira, MARCOS
; TITLE OF INVENTION: SELECTIVE PAPP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
; FILE REFERENCE: 50229-306
; CURRENT APPLICATION NUMBER: US/10/163,587A
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 60/296,110
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: patentin version 3.1
; SEQ ID NO: 3
; LENGTH: 3859
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (160)..(3204)
; OTHER INFORMATION:
; US-10-163-587A-3

Query Match          8.4%; Score 175; DB 14; length 3859;
Best Local Similarity 100.0%; Pred. No. 1..1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; SEQ ID NO: 100
; LENGTH: 4100
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-723-860-6526

Db      1888 GGTTTCTAGGTGGGGGGGGCTCGGAGCTTGGCCGGCAGCTAGGGAGGATGGC 1947
Db      105 GGTTTCTAGGTGGGGGGGGCTCGGAGCTTGGCCGGCAGCTAGGGAGGATGGC 164
Qy    1948 GGAGTCCTAGGTGGGGGGGGCTCGGAGCTTGGCCGGCAGCTAGGGAGGATGGC 1947
Db      165 GGAGTCCTAGGTGGGGGGGGCTCGGAGCTTGGCCGGCAGCTAGGGAGGATGGC 224
Qy    2008 GAATGCGAGAGCATCCCCAAGGACTCTGCCTCCGGATGCCATCATGGTGAG 2062
Db      225 GAATGCGAGAGCATCCCCAAGGACTCTGCCTCCGGATGCCATCATGGTGAG 279

RESULT 15

; Sequence 100.. Application US/10334143
; Publication No. US20040009549A1
; GENERAL INFORMATION:
; APPLICANT: GRIGOREV, IGOR VYACHESLAVOVICH
; APPLICANT: SUDARANAM, SUCHA
; TITLE OF INVENTION: METHOD FOR DETECTING REMOTE HOMOLOGUES AND NOVEL
; TITLE OF INVENTION: KINASES IDENTIFIED WITH THE METHOD
; FILE REFERENCE: 038602/1543
; CURRENT APPLICATION NUMBER: US/10/334,143
; CURRENT FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: 60/343,169
; PRIOR FILING DATE: 2001-12-31
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 100
; LENGTH: 3861
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-334-143-100

Query Match          8.4%; Score 175; DB 17; length 3861;
Best Local Similarity 100.0%; Pred. No. 1..1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; SEQ ID NO: 100
; LENGTH: 3861
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-334-143-100

Db      107 GGAGTCCTAGGTGGGGGGGGCTCGGAGCTTGGGGAGCTTAGGGAGGATGGC 166
Qy    1888 GGAGTCCTAGGTGGGGGGGGCTCGGAGCTTGGGGAGCTTAGGGAGGATGGC 1947
Db      107 GGAGTCCTAGGTGGGGGGGGCTCGGAGCTTGGGGAGCTTAGGGAGGATGGC 166
Qy    1948 GGAGTCCTAGGTGGGGGGGGCTCGGAGCTTGGGGAGCTTAGGGAGGATGGC 1947
Db      167 GGAGTCCTAGGTGGGGGGGGCTCGGAGCTTGGGGAGCTTAGGGAGGATGGC 226
Qy    2008 GAATGCGAGAGCATCCCCAAGGACTCTGCCTCCGGATGCCATCATGGTGAG 2062
Db      227 GAATGCGAGAGCATCCCCAAGGACTCTGCCTCCGGATGCCATCATGGTGAG 281

RESULT 16

; Sequence 6526.. Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natascha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlortnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882_0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: Patentin version 3.2
; SEQ ID NO: 6526
; LENGTH: 4100
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-723-860-6526

Query Match          8.4%; Score 175; DB 20; length 4100;
Best Local Similarity 100.0%; Pred. No. 1..1e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1888 GTCGTTCTAGGTCCTGGGCGCTGGGAGGTTCGGAGCTTGCGGAGCTGGGAGATGCC 1947

US-10-181-447A-43

; Sequence 43, Application US/10181447A.

; Publication No. US20030180738A1.

; GENERAL INFORMATION:

; APPLICANT: The NO. US20030180738Attingham Trent University

; TITLE OF INVENTION: Cancer Associated Genes and their Products

; FILE REFERENCE: NO US20030180738Attingham Trent Uni

; CURRENT APPLICATION NUMBER: US/10/181,447A

; CURRENT FILING DATE: 2002-07-18

; PRIORITY APPLICATION NUMBER: PCT/GB/01/000188

; PRIORITY FILING DATE: 2001-01-18

; PRIORITY APPLICATION NUMBER: GB0000993.6

; PRIORITY FILING DATE: 2000-01-18

; NUMBER OF SEQ ID NOS: 66

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO: 43

; LENGTH: 396

Query Match 6.5%; Score 136; DB 16; Length 396;

Best Local Similarity 100.0%; Pred. No. 1.3e-55; Matches 136; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1927 CGCGAGCTAGGGAGATGGCGGAGTCTCGGATACTCTATCGAGCTGGAGCTGGCAA 1986

Db 94 CGCGAGCTAGGGAGATGGCGGAGTCTCGGATACTCTATCGAGCTGGAGCTGGCAA 153

Qy 1987 GACCGGCGGGCTCTTCAAGAAATGGAGCTCCAAAAGACTCGTCGAT 2046

Db 154 GACCGGCGGGCTCTTCAAGAAATGGAGCTCCAAAAGACTCGTCGAT 213

QY 2047 GGCCATCATGGCGAG 2062

Db 214 GGCCATCATGGCGAG 229

RESULT 18

US-09-292-758-144

; Sequence 144, Application US/09292758

; Publication No. US20020197602A1

; GENERAL INFORMATION:

; APPLICANT: Butler, Glenna C.

; APPLICANT: Brown, Joseph P.

; APPLICANT: Lifespan Biosciences, Inc.

; TITLE OF INVENTION: Nucleic Acid Sequences and Proteins

FILE REFERENCE: 01/473-00110US

CURRENT APPLICATION NUMBER: US/09/292,758

CURRENT FILING DATE: 1999-04-14

EARLIER APPLICATION NUMBER: US 60/081,887

EARLIER FILING DATE: 1998-04-15

NUMBER OF SEQ ID NOS: 147

RESULT 17

US-10-181-447A-43

; Sequence 43, Application US/10181447A.

; Publication No. US20030180738A1.

; GENERAL INFORMATION:

; APPLICANT: The NO. US20030180738Attingham Trent University

; TITLE OF INVENTION: Cancer Associated Genes and their Products

; FILE REFERENCE: NO US20030180738Attingham Trent Uni

; CURRENT APPLICATION NUMBER: US/10/181,447A

; CURRENT FILING DATE: 2002-07-18

; PRIORITY APPLICATION NUMBER: PCT/GB/01/000188

; PRIORITY FILING DATE: 2001-01-18

; PRIORITY APPLICATION NUMBER: GB0000993.6

; PRIORITY FILING DATE: 2000-01-18

; NUMBER OF SEQ ID NOS: 66

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO: 43

; LENGTH: 396

Query Match 6.0%; Score 126; DB 9; Length 3640;

Best Local Similarity 100.0%; Pred. No. 9.6e-51; Matches 126; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2008 GAATGCAGGAGATCCAAAGACTCTATCGAGCTGGAGCTGGCA 237

Db 238 GAATGCAGGAGACATCCCAGAGACTGCTGGATGCCATCATGGCG 292

QY 1948 GGAGTCCTGGATAAGCTCTATCGAGCTGGAGCTGGCA 2062

Db 238 GAATGCAGGAGACATCCCAGAGACTGCTGGATGCCATCATGGCG 292

QY 1948 GGAGTCCTGGATAAGCTCTATCGAGCTGGAGCTGGCA 2007

Db 238 GAATGCAGGAGACATCCCAGAGACTGCTGGATGCCATCATGGCG 292

QY 1948 GGAGTCCTGGATAAGCTCTATCGAGCTGGAGCTGGCA 1997

Db 238 GAATGCAGGAGACATCCCAGAGACTGCTGGATGCCATCATGGCG 253

QY 1937 GGAGAGATGGCGAGTCCTGGAGACTCTAGCTGAGTCGAGTCAGCCAGAGCGGGCC 1996

Db 238 GAATGCAGGAGACATCCCAGAGACTGCTGGATGCCATCATGGCG 1993

QY 1997 GGCTCTGGAAAGATGGCGAGACTCCAAAGACTCTCCGAGATGCCAG 2056

Db 238 GAATGCAGGAGACATCCCAGAGACTGCTGGATGCCATCATGGCG 160

QY 2057 GTGCAG 2062

Db 254 GTGCAG 259

RESULT 19

US-10-171-581-124

; Sequence 124, Application US/10171581

; Publication No. US20030104426A1

; GENERAL INFORMATION:

; APPLICANT: Dai, Hongyue

; APPLICANT: Linsley, Peter

; APPLICANT: Mao, Mao

; TITLE OF INVENTION: Signature Genes in Chronic Myelogenous Leukemia

; FILE REFERENCE: 9301-157-999

; CURRENT APPLICATION NUMBER: US/10/171,581

; CURRENT FILING DATE: 2002-08-14

; PRIORITY APPLICATION NUMBER: 60/298,914

; PRIORITY FILING DATE: 2001-06-18

; NUMBER OF SEQ ID NOS: 366

; SEQ ID NO: 124

; LENGTH: 3795

Query Match 5.9%; Score 124; DB 15; Length 3795;

Best Local Similarity 99.4%; Pred. No. 9.2e-50; Matches 174; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1888 GTCGTTCTAGGCTGGGGCTGGCTGGAGCTGGAGCTGGCGAGATGGCGAGATGGCGAGCTGGCGAGCTGGAGATGCC 1947

Db 41 GTCGTTCTAGGCTGGGGCTGGCTGGAGCTGGAGCTGGCGAGATGGCGAGCTGGCGAGCTGGAGATGCC 100

QY 1948 GGAGTCCTGGATAAGCTCTATCGAGCTGGAGCTGGCA 2007

Db 101 GGAGTCCTGGATAAGCTCTATCGAGCTGGAGCTGGCGAGCTGGCGAGCTGGAGATGCC 160

QY 2008 GAATGCAGGAGACATCCCAGAGACTGCTGGATGCCATCATGGCG 2062

Db 161 GAATGCAGGAGACATCCCAGAGACTGCTGGATGCCATCATGGCG 215

RESULT 20

US-10-369-378-24

; Sequence 24, Application US/10369378

; Publication No. US20030170859A1

; GENERAL INFORMATION:

; APPLICANT: Christenson, Erik

; APPLICANT: DeMaggio, Anthony J

; APPLICANT: Goldman, Phyllis S

Db 61 TCCAAGAAATCCAGCGAGGATCCCCAAGGACTGCCCGATGCCATCATGGTCAG 120  
; APPLICANT: McEligott, David L  
; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and  
; METHODS  
; FILE REFERENCE: 2786673544  
; CURRENT APPLICATION NUMBER: US/10/369,378  
; PRIORITY FILING DATE: 2000-06-16  
; PRIORITY APPLICATION NUMBER: 60/1139,543  
; PRIORITY FILING DATE: 1999-06-16  
; NUMBER OF SEQ ID NOS: 68  
; SEQ ID NO 24  
; LENGTH: 3,45  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(3045)  
; OTHER INFORMATION:  
; US-10-369-378-24

RESULT 21  
Query Match 5.8%; Score 120; DB 16; length 3045;  
Best Local Similarity 100.0%; Pred. No. 8.3e-48; Mismatches 0; Indels 0; Gaps 0;  
Matches 120; Conservative 0; ;

Qy 1943 ATGGCGGAGCTCTCGGATAAGCTCTATCGAGTCGAGTCAGCCAGAGCGGGCGGCCTCT 2002  
Db 1 ATGGCGGAGCTCTCGGATAAGCTCTATCGAGTCGAGTCAGCCAGAGCGGGCGGCCTCT 60

Qy 2003 TCCAGAAATGCGAGAGCATCCCGAGAACATGCCATATGGCGAG 2062  
Db 61 TCCAGAAATGCGAGAGCATCCCGAGAACATGCCATATGGCGAG 120

RESULT 22  
Sequence 136, Application US/10199937  
Publication No. US20030190739A1  
GENERAL INFORMATION:  
APPLICANT: Christenson, Erik  
APPLICANT: DeMaggio, Anthony J.  
APPLICANT: Goldman, Phyllis S.  
APPLICANT: McEligott, David L.  
TITLE OF INVENTION: TANKRASE2 MATERIALS AND METHODS  
FILE REFERENCE: 27866736559  
CURRENT APPLICATION NUMBER: US/10/199,937  
CURRENT FILING DATE: 2002-07-22  
PRIORITY APPLICATION NUMBER: US/09/606,035  
PRIORITY FILING DATE: 2000-06-28  
PRIORITY APPLICATION NUMBER: 60/141,582  
NUMBER OF SEQ ID NOS: 178  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 136  
LENGTH: 3,045  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(3042)  
; OTHER INFORMATION:  
; US-10-199-937-136

Query Match 4.3%; Score 89; DB 9; length 385;  
Best Local Similarity 100.0%; Pred. No. 1.3e-32; Mismatches 0; Indels 0; Gaps 0;  
Matches 89; Conservative 0; ;

Qy 1933 CTAGGGAGATGGCGAGCTTCGGATAAGCTCTATCGAGTCGAGTACCCAGAGCGG 1992  
Db 159 CTAGGGAGATGGCGAGCTTCGGATAAGCTCTATCGAGTCGAGTACCCAGAGCGG 218

Qy 1993 GCGCCTCTGCAAGAAATGCAAGGAGA 2021  
Db 219 GCGCCTCTGCAAGAAATGCAAGGAGA 247

RESULT 23  
Sequence 46, Application US/0369378  
Publication No. US20030170859A1  
GENERAL INFORMATION:  
APPLICANT: Christenson, Erik  
APPLICANT: DeMaggio, Anthony J.  
APPLICANT: Goldman, Phyllis S.  
APPLICANT: McEligott, David L.

TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and Methods  
FILE REFERENCE: 2786673654  
CURRENT APPLICATION NUMBER: US/10/369,378  
CURRENT FILING DATE: 2003-02-19  
PRIOR APPLICATION NUMBER: US/09/596,248D  
PRIOR FILING DATE: 2000-06-16  
PRIOR APPLICATION NUMBER: 60/139,543  
PRIOR FILING DATE: 1999-06-16  
NUMBER OF SEQ ID NOS: 68  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO: 46  
LENGTH: 3200  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:hPARP1/hPARP2  
OTHER INFORMATION: Fusion  
US-10-369-378-46

Query Match 3.4%; Score 71; DB 16; Length 3200;  
Best Local Similarity 100.0%; Pred. No. 7.6e-24;  
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1943 ATGGCGGAGTCTTCGCTAACTCTATCGACTCAGTCGAGTACCCCAAGGAGGCGGCCCT 2002  
Db 109 ATGGCGGAGTCTTCGATAAGCTCTATCGACTCAGTCGAGTACCCCAAGGAGGCGGCCCT 168

Qy 2003 TCGAAGAATG 2013  
Db 169 TCGAAGAATG 179

RESULT 24  
US-10-199-937-177

; Sequence 177, Application US/10199937  
; Publication No. US20030190739A1  
; GENERAL INFORMATION:  
; APPLICANT: Christensen, Erik  
; APPLICANT: DeMaggio, Anthony J.  
; APPLICANT: Goldham, Phyllis S.  
; APPLICANT: McElligott, David L.  
; TITLE OF INVENTION: TANKYRASE2 MATERIALS AND METHODS  
; FILE REFERENCE: 2786673659  
; CURRENT APPLICATION NUMBER: US/10/199,937  
; CURRENT FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: US/09/606,035  
; PRIOR FILING DATE: 2000-06-28  
; PRIOR APPLICATION NUMBER: 60/141,582  
; PRIOR FILING DATE: 1999-06-29  
; NUMBER OF SEQ ID NOS: 178  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 177  
; LENGTH: 3308  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Parpla-Tank2b  
; OTHER INFORMATION: Fusion  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(3297)  
; US-10-199-937-177

Query Match 2.5%; Score 52; DB 13; Length 35236;  
Best Local Similarity 100.0%; Pred. No. 1.4e-14;  
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 306 GGTTTGCCATGTGTCAGGCGCTCTGAATCTCTGGCTCAAGGATTC 357  
Db 31699 GGTTTGCCATGTGTCAGGCGCTCTGAACTCTGGCTCAAGGATTC 31648

Search completed: September 6, 2005, 11:05:15  
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